

REMARKS

Claims 1-19, 21-24 and 27-36 were pending in the application. Claim 12 is rewritten upon entry of this paper. New claim 37 has been added.. Claims 1-19, 21-24 and 27-37 are now pending in the application upon entry of this amendment. Applicants hereby request reconsideration and further examination.

The Applicants note that the Examiner had previously allowed Claims 2-4, 9-11, 15 and 16 and now is indicating that they are not allowable.

Concerning the claim objections to claims 1, 5-8, 12-14 and 17-28 because claims 1 and claim 12, according to the Examiner on pp 2 of the July 27th office action, cite “comprising a parameter of a relationship which relates an output of a drum controller”, it is unclear to the Applicant where those words are found in either claim 1 or 12 but believes that the Examiner must be referring to claim 12 somehow and thus has attempted to amend claim 12 to overcome the objection. Since it is unclear specifically what language was objected to the Applicant respectively requests that the examiner communicate to the Applicant the specific language that is objected to and preferably call the undersigned to discuss the concern.

The rejection of Claim 1 states that Koide anticipates Claim 1 because it contains all the elements of claim 1 but Koide fails to teach or suggest “a) selecting a **drum load from a plurality of drum loads**” and “d) determining from the response a new value for **at least one control** parameter for driving the selected drum load, **the at least one control parameter varying for each of the plurality of drum loads**” [emphasis added].

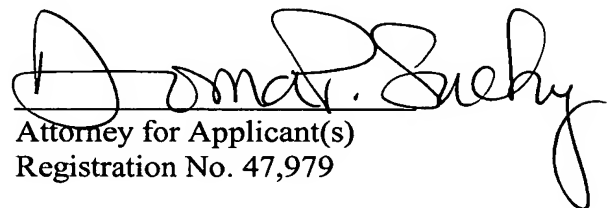
As stated in paragraph [0019] of the present application” “[t]he drum controller has a set of parameters stored in memory defining the physical system to be driven. These parameters may be parameters like the inertia of the drum load, the motor torque constant, the encoder resolution etc. The motor controller may store these parameters directly or a set of computed system gains may be stored instead. In closed loop operation the drum controller attempts to control the drive system to produce the speed requested by systems controller 28 by monitoring the actual speed of the drum load 10 provided by encoder 22 and constantly correcting for deviations. The algorithm uses the system gains or

parameters to affect the control. Should one of these parameters, e.g. drum inertia be wrong, the drum speed may not be controllable.”

The Examiner asserts that Claim 1 is anticipated by Figure 6; Col. 10, line 8 to Col. 13, line 15). As understood by the Applicant, in this section, Koide teaches a method of reducing speed variations of an image carrier associated with the eccentricity and tooth pitch errors of a **driven gear 103** associated with the image carrier. To avoid accurate machining of the driven gear, Koide teaches assembling the driven gear in a particular fashion (Col 10, lines 45 to 49). Additionally, Koide teaches “[w]hile the drum 11 is generally replaced when its service life ends, the driven gear 103 is **usually not dismantled** from the printer. In light of the above, as shown in Figure 6, the drum drive unit of the illustrative embodiment is configured such that the given gear can be adjusted on the production line.” (Col 10, lines 55 – 60). Koide does not explicitly teach or suggest selecting a drum load from a plurality of drum loads. Koide does not teach or suggest “determining from the from the response **a new value for at least one control parameter for driving the selected load, the at least one control parameter varying for each of the plurality of drum loads**” since Koide teaches a method for reducing speed variations associated with the eccentricity and tooth pitch errors of **driven gear 103** which is not replaced when a drum is replaced when its service life ends.

In conclusion, Applicants respectfully submit that claims 1-19, 21-24 and 27-37 are allowable and hereby request such allowance.

Respectfully submitted,


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If the Examiner is unable to reach the Applicant(s) Attorney at the telephone number provided, the Examiner is requested to communicate with Eastman Kodak Company Patent Operations at (585) 477-4656.